

THERMAL INKJET PRINthead PROCESSING WITH SILICON ETCHING**ABSTRACT OF THE DISCLOSURE**

5 A method of etching the trench portions of a thermal inkjet printhead using a
robust mask that precisely defines the area of the substrate surface to be etched and that
protects the adjacent drop generator components from damaging exposure to the silicon
etchant. The process in accordance with the present invention uses as a mask some of
the material that is also used in patterned layers for producing the drop generator
10 components on the substrate. The placement of the mask components on the substrate
occurs simultaneously with the production of the drop generator components, thereby
minimizing the time and expense of creating the silicon-etchant mask.